

SAFETY DATA SHEET

Zoetis New Zealand Limited



Section 1: Identification of the Substance and Supplier

Trade Name:	AVATEC® / BOVATEC® Technical
ACVM Registration No.:	A010829
Classification:	Unrestricted
Recommended Use:	In-feed coccidiostat for the control of coccidiosis caused by <i>Eimeria</i> species; increased production of milk solids in dairy cows, control of ketosis in dairy cattle; reduction of bloat score in cattle on pasture; prevention of coccidiosis caused by <i>Eimeria</i> species in poultry.
Company Details:	Zoetis New Zealand Limited
Address:	Level 4, 8 Mahuhu Crescent Auckland Central Auckland 1010 New Zealand
Telephone No.:	0800 963 847 (Business Hours)
Emergency Telephone No.:	National Poisons Centre: 0800 POISON (0800 764 766) Emergency Services: In an emergency dial 111
Date of Preparation:	01 July 2019

Section 2: Hazards Identification

Hazard Classification:	6.1C, 9.1D, 9.3B
Priority Identifier(s):	WARNING - KEEP OUT OF REACH OF CHILDREN ECOTOXIC
Secondary Identifier(s):	6.1C May be fatal if swallowed, inhaled or absorbed through the skin. 9.1D Harmful to aquatic organisms. Avoid contamination of any water supply with product or empty container. 9.3B Toxic to terrestrial vertebrates.

Section 3: Composition / Information on Ingredients

Chemical Identity of Ingredients

Ingredient	CAS No.	Concentration
Lasalocid	25999-20-6	1000.0 g/kg
Other ingredients determined not to be hazardous.	-	-

This is a commercial product whose exact ratio of components may vary.
Trace quantities of impurities are also likely.

Section 4: First Aid Measures

Necessary First Aid Measures:	<p>For advice contact the National Poisons Centre at 0800 POISON (0800 764 766) or a doctor immediately. If the patient is not breathing begin artificial respiration and seek medical advice immediately. Never give fluids or induce vomiting if a patient is unconscious or convulsing, regardless of injury.</p> <p>Ingestion: DO NOT induce vomiting. If the patient is conscious wash mouth out with water. Do not give anything by mouth to an unconscious person. Seek medical advice immediately.</p> <p>Eye Contact: Flush the eye(s) out with running water for at least 15 minutes. Removal of contact lenses should be done with caution within 5 minutes of exposure. If symptoms develop seek medical advice immediately.</p> <p>Skin Contact: Remove any contaminated clothing and wash the affected area immediately with soap and water. If symptoms develop seek medical advice immediately.</p> <p>Inhalation: Move the patient to fresh air. If symptoms develop seek medical advice immediately.</p>
Poisoning Symptoms:	Harmful by inhalation: dusts will be irritating to the upper respiratory system. Over-exposure may be fatal. Likely to cause gastric upset, nausea, vomiting and diarrhoea.
Workplace Facilities:	No specific facilities required. Standard emergency equipment must be available.
Hygiene Practices:	Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while using this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use.
Notes for Medical Personnel:	Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Note the nature of this product.

Section 5: Fire-Fighting Measures

Type of hazard:	The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. This product, if scattered, may form flammable or explosive dust clouds in air.
Fire Hazard Properties:	Combustion forms carbon dioxide and, if incomplete, carbon monoxide and smoke. Water is also formed. May form nitrogen and its compounds and, under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Sodium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement, and unconsciousness followed by coma and death.
Regulatory Requirements:	Not applicable.
Extinguishing Media & Methods:	Suitable extinguishing media are water fog, fine water spray. Water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.
Hazchem Code:	2X
Recommended Protective Clothing:	During large-scale fire fighting operations wear approved positive pressure, self-contained breathing apparatus and full protective turn-out gear.

Section 6: Accidental Release Measures

Personal Precautions:	Personnel involved in clean-up should wear appropriate personal protective equipment to minimise exposure. Wear full protective chemically resistant clothing including eye/face protection, gauntlets and self contained breathing apparatus.
Environmental Precautions:	Prevent material from entering surface water drains or waterways. If a significant quantity of material enters drains, advise emergency services.
Procedure for Spills:	<ol style="list-style-type: none">1. Non-essential personnel should be evacuated from the affected area, and deny entry to unnecessary and unprotected personnel.2. Shut off all sources of ignition.3. Stop leak and contain the source of spill if it is safe to do so. Reposition any leaking containers to minimise further leakage.4. Sweep and shovel or collect recoverable product into labelled containers for disposal, minimising dust generation. Consider vacuuming if appropriate.5. After spills, decontaminate the spill area thoroughly with water, preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services.6. Ventilate area to dispel any residual dusts.
Procedure for Disposal:	Contaminated material must be disposed of at an approved landfill or other approved facility in accordance with local, regional and national requirements. Avoid contamination of any water supply with product or empty container.

Section 7: Handling and Storage

Handling

Precautions for Safe Handling:	Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
Regulatory Requirements:	Not required.
Handling Practices:	Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while handling this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use.
Approved Handlers:	Approved handlers are not required for this product.

Storage

Conditions for Safe Storage:	Store under lock and key below 30°C (Room Temperature) in a dry place and protection from direct sunlight. Keep out of reach of children. Store in a well ventilated area in the original container, tightly closed, away from foodstuffs, oxidising agents, naked flames and other sources of ignition.
Store Site Requirements:	No additional requirements.
Packaging:	Store in the original container, away from foodstuffs.

Section 8: Exposure Control / Personal Protection

Always Read and Follow the Label Instructions and Warnings

Workplace Exposure Guidelines	
Workplace Exposure Standards:	A time weighted average (TWA) concentration for an 8-hour day and a 5-day week has not been established by NOHSC Australia for any of the major ingredients in this product. There is a blanket limit of 10 mg/m ³ for dusts or mists when limits have not otherwise been established.
Application in the Workplace:	The nature of this product makes it unlikely that this level will be approached during normal handling.
Exposure Standards Outside the Workplace:	None set.
Engineering Controls:	Engineering controls should be used as the primary means to control exposures. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.
Personal Protection:	<p>The following instructions are for those coming into frequent and / or lengthy contact with this product. For occasional handling employ precautions suitable for the conditions under which the product is being handled.</p> <p>Hands: Impervious gloves are recommended if skin contact is possible and for bulk processing operations.</p> <p>Eyes: It is always prudent to utilise protective eyewear.</p> <p>Skin: When prolonged or frequently repeated contact could occur, utilise chemically protective clothing. Selection of specific items such as a face shield, gloves, boots, or overalls will depend on the situation.</p> <p>Respiratory: Respiratory protection is not normally required; however, if necessary utilise an air-purifying respirator that complies with NZ standards.</p>
General Hygiene:	Change work clothes regularly. Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while handling this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use.

Section 9: Physical and Chemical Properties

Appearance:	White to reddish-brown granular powder
Odour:	Characteristic odour
Specific Gravity / Density:	No data available. Bulk density about 0.29
Melting Point:	Decomposes before melting approx. 168-171°C
Boiling Point:	No data available
pH:	No data available
Solubility in Water:	1.06 g/L @ 20°C
Flashpoint:	Not applicable. This product is not flammable.
Oxidising Properties:	Not applicable. This product is not an oxidiser.
Corrosive Properties:	Not applicable. This product is not corrosive.
Vapour Pressure:	Negligible at normal ambient temperatures
Volatile Organic Compounds:	No specific data. Expected to be low at 100°C

Section 10: Stability and Reactivity

Stability of the Substance:	This product is stable under normal conditions of use.
Conditions to Avoid:	Incompatible materials, sources of ignition.
Material to Avoid:	Strong acids, strong bases, strong oxidising agents.
Hazardous Decomposition Products:	Oxides of nitrogen, traces of oxides of phosphorus.
Hazardous Polymerisation:	This product is unlikely to spontaneously polymerise.
Specific Data:	No specific data available.

Section 11: Toxicological Information

HSNO Classifications

6.1C May be fatal if swallowed, inhaled or absorbed through the skin.

Acute Effects

No data is available for the formulated product. The following Information relates to lasalocid.

Ingestion: Toxic if swallowed. Likely to cause gastric upset, nausea, vomiting and diarrhoea. Very large doses may be fatal.

Lasalocid:

- Rat LD₅₀ Oral 122 mg/kg
- Mouse LD₅₀ Oral 146 mg/kg
- Rabbit LD₅₀ Oral 40 mg/kg
- Chicken LD₅₀ Oral 72 mg/kg

Skin Contact: May be irritating to the skin.

Eye Contact: Irritating to eyes. Risk of mechanical scratching.

Inhalation: Harmful by inhalation.

Lasalocid:

- Rat LC₅₀ Inhalation 2.65 mg/L/4 hr

Chronic / Long Term Effects

Repeated skin contact may lead to irritation and dermatitic effects. Repeated inhalation exposure may cause irritation of the nose and upper respiratory system.

Section 12: Ecotoxicity Information

HSNO Classifications

9.1D Harmful to aquatic organisms. Avoid contamination of any water supply with product or empty container.

9.3B Toxic to terrestrial vertebrates.

The environmental characteristics of this material have not been fully evaluated.
Avoid contamination of any water supply with product or empty container.

Ecotoxicity Effects	
Toxicity to Birds:	Not data available
Acute Toxicity to Fish:	<ul style="list-style-type: none"> • LC₁₀₀ rainbow trout (<i>Oncorhynchus mykiss</i>): 5 mg/L • LC₁₀₀ zebra fish (<i>Brachydanio rerio</i>): 0.65 mg/L • LC₅₀ rainbow trout (<i>Oncorhynchus mykiss</i>): 3 mg/L • LC₅₀ goldfish (<i>Carassius auratus</i>): 6 mg/L • LC₅₀ sunfish: 3.6 mg/L • LC₅₀ zebra fish (<i>Brachydanio rerio</i>): 2.5 mg/L • LC₀ zebra fish (<i>Brachydanio rerio</i>): 0.64 mg/L • LC₀ rainbow trout (<i>Oncorhynchus mykiss</i>): 2 mg/L
Toxicity to Algae:	EC ₅₀ <i>Scenedesmus subspicatus</i> 8 mg/L
Toxicity to Aquatic Invertebrates:	Not data available
Toxicity to Soil Dwelling Organisms:	Not data available
Acute Toxicity to Bees:	Not data available

Environmental Fate
No information available.

Section 13: Disposal Considerations	
Product Disposal:	Preferably dispose of product by use in accordance with label directions. Otherwise dispose of product at an approved landfill, or other approved facility in accordance with local, regional and national regulations. Avoid contamination of any water supply with product.
Container Disposal:	Dispose of empty containers by wrapping in paper and putting in garbage for disposal at an approved landfill, or other approved facility in accordance with local, regional and national regulations. Avoid contamination of any water supply with empty container.

Section 14: Transport Information	
Dangerous Goods Classification	
UN No.:	2811
Class:	6
Packing Group:	III
Proper Shipping Name:	TOXIC SOLID, ORGANIC, N.O.S.

Section 15: Regulatory Information	
HSNO Approval No.:	HSR003772
HSNO Controls:	See www.epa.govt.nz for controls
ACVM Registration No.:	A010829
ACVM Controls:	See www.foodsafety.govt.nz for registration conditions

